EDUCATION OF HORSES .- It is remarkpleasure, so little should be known or meters of air per hour, the amount of attained toward his thorough education. That the horse is susceptible of a high degree of training and culture, is evident, not only by the astonishing feats he performs within the arena of the circus, but also the great ease with natural habits and instincts to meet the varied requirements of his occupation

and surroundings. intrepid and renowned horse of the irregular cavalry of the Don. The great endu ance of the Arab horse under privation and fatigue, is due, not so much to any peculiarity of constitution, as to the system of training adopted to develop these characteristics. So with the Toorky and semi Arab blooded horse, used by the Sihks and Afghans of Central Asia-trained with a special view to swimming, their riders are enabled to plunge fearlessly loto the rapid rivers and factories at present. of that country, confident that their steeds will carry them in safety to the opposite bank.

To Morners:- Should the baby be suffering with any of the disorders of baby bood use Dr. Bull's Baby Syrup at once for the trouble. Price 25 cents.

"Melt 1 pound of common rosin over a gentle fire, add I ounce of beef tallow and stir well; cool a little and mix with similar to honey. After a few days exposure to the atmosphere it becomes as hard as stone and impervious to water and air. It should be put on with a paint brush.

How to Use Paris Green .- The success to which this mineral can be used in destroying the potato-beetle, slugs, the striped-bug, caterpillar, &c., has made its use quite common of late years; but we lear that many persons do not handle it with that care which its poisonous nature demands. We have already heard where its inhalation, dusting the vines and bushes with it, has been attended with serious, though not tatal effect. Dusting with it, the way it is generally done, from a bag or paper, or with the hands, is extremely dangerous. When it is so applied, the bag or other appliance should be placed at the end of a five-foot pole; and when used in this way the inhaling of any part of the mineral is entirely guarded against. Of course when diluted with water this precaution is unnecessary.

#### Why Bees Work in the Dark.

A lifetime may be spent in investigating the mysteries hidden in a beehive, and still half of the secrets would be undiscovered. The formation of the chemist. Every knows what honey fresh from the comb is like. It is a clear, yellow syrup, without a trace of solid sugar in it. Upon straining, however, it gradually assumes a crystalline appearance-it candies as the saying is, and ultimately becomes a solid mass of sugar. It has not been suspected that this change was due to a photographic action; that the same agent which alters the molecular arrangement of the iodide of silver on the excited collodion camphor and iodine crystals in a bottle, causes the syrup honey to assume a crystalline form. This, however, is the case. Mgr. Schelber has enclosed honey in stoppered flasks, some of which he has kept in perfect darkness, whilst others have been exposed to the light. The invariable result has been that the sunned portion rapidly crystallises, whilst that kept in the dark remained perfectly liquid. We now see why bees are so careful to work in the dark, and why they are so careful to obscure the glass windows which are sometimes placed in their hives. The existence of their young depends on the liquidity of the saccharine food presented to them, and if light were allowed access to this, the syrup would gradually acquire a more or less solid consistency; it would seal up the cell, and in all probability prove fatal to the inmates of the hive.

IN HOT WEATHER AN attack of Lighthon, or indeed any complaint of the lowels, rapply exhausts the strength, and renders the becessiv of prompt treatment imperative; in all such cases ir. Jayne's Carminative Balson is an effectual remedy, acting quickly and curing thoroughly. SCIENTIFIC.

Experiments in Ventilation .- The ventilation produced in apartments by fireplaces has been made the subject of some valuable experiments at the Conversatoire des Arts et Metiers, l'aristhese investigations showing, with sufficient conclusiveness, that nearly the whole of the warmth produced by com bustibles in a room is carried off through the chimney, and the only useful part of ment in which these experiments were made was one capable of being heated at pleasure, either by a fire in the fireplace or by a mouth of the calorifere of understood in order to apply safe | custed to the fireplace by the mere action of the difference of temperature-between the outer and inner atmosphere. This natural ventilation was found to be, on an average, four hundred cubic meters of air per hour, when the outer temperature was between 35 3 and 50 Fah., and the inner temperature be-tween 64 4 and 71.6—hence the apart ment was sufficiently ventilated by the mere aspiration of the chimney, Further experiments showed that the mouth of the calorifere introduced one hundred perature of the calorifere was between hundred and tweive degrees; but, when the temperatuce of the calorifere was forty-five degrees, it only furnished one hundred and twenty-three cubic meters. through the interstices of two windows wood consumed in that length of time being 8.26 kilogrammes per hour.

W. J. Miller has been conducting experiments that have led to results which may be turned to practical purposes. which he can be made to modify his He found that, without the use of electricity, if two copper wises provided with mouth and ear pieces be attached to a third wire 150 yards long, and The wild horse of the barren steppes stretched on poles, breathing, singing almonds blanched and pounded; add a of Russian Tartary becomes, under the or speaking at the transmitting terminal careful and peristant tutorage of the can be distinctly heard at the receiving warlike Cossack, the wonderfully active, | terminal. Wires extending through a house-stretched tight, however-and fire and when cool mix in the yolks provided with mouth and ear pieces in and whites-beaten separately-of four the several rooms, furnished means eggs; blanch and split into halves four whereby conversation could be carried on without difficulty. Thick wires conveyed the sound better than slender ones. Perhaps simple appliances like bake for one hour and a half. Turn these may be made to supersede at least out and serve with any kind of preserve the somewhat filthy and rather expen- around the base. sive system of speaking tubes which are tolerated for convenience sake in houses

The Uses of Chloroform .- The deleterious and often fatal results of the use of chloroform with persons of weak hearts has stimulated effort to obviate the danger. The latest and most successful treatment of such cases is that suggested by Professor Occhini, of Naples, who recommends the inspira-GRAFTING WAX .- This is the formula tion of ammoniacal vapor previous to for making Leart's liquid grafting the inhalation of chloroform. The wax. It was kept a secret, and sold at theory advanced by the Professor is that a high price for a long time. All who the stimulant action of the ammonia on have used it speak of it as being the best | the nervous and vascular systems will preparation for covering wounds in more than counter-balance the depress-trees that has ever been discovered: ing influence of the anæsthetic.

The nitrate of lead is now recommended in the medical journals as it a tablespoontul of spirits of turpen- scarcely second to any other substance, tine, then add seven ounces of 95 per in point of cheapness and efficacy, as a cent. alcohol. The alcohol will cool it deodorizer. To prepare it for use it is so rapidly that it will be necessary to simply necessary to take, for ordinary put it again on the fire, stirring it con- purposes, half a drachm of the nitrate, stantly and with the utmost care, to dissolve it in a plat or more of boiling prevent the alcohol from getting in- water, dissolve about two drachms of flamed. To avoid it, the best way is to common salt in a pall of water, pour the remove it from the fire when the lump | two solutions together, and allow the commences to melt, and stir and repeat sediment to settle. To purify and until the whole is a homogeneous mass, sweeten a fetid atmosphere immediately dip a cloth in the liquid and hang it up in the apartment.

> La Nature says that a French inventor temperature by day and by night. The a reservoir, whence it talls by gravity, tion of soda. so operating the mechanism. This is a very old idea. More than twenty years ago we saw a form of perpetual clock which was wound the by diurnal rise and fall of a column of oil.

#### The Camphor Tree.

The tree from which camphor is ob-

tained belongs to the family of gutti-

ferous productions. It grows abun-

dantly in the forests of Sumatra and

Borneo. It is one the strongest and lof-

tiest trees of those countries. Its bark

is of a brownish hue; its leaves resem-

ble those of the camphor tree of Japan;

its leaves and seeds send forth a powerful smell resembling that of turpentine. The trunk can attain a diameter of from six to seven feet. When the tree has attained the size of a poplar, which is seven or eight years old, it yields camphor, but in small quantities. Before that age it produces only cells has long been a celebrated problem | a thick oil, which, according the inhabfor the mathematician, whilst the itants of these countries, is the first changes which the honey undergoes of- state through which the camphor pasfer at least an equal interest to the ses. There is no way of exactly recognizing the trees which contain the one or the others of those substances. Nevertheless, when old trees are pierced camphor is invariably found. It is us- guilty one. He was a young man, ually met with in hollows, very close to the heart, exactly as resin is met with in other trees. These hollows or pockets would seem, by the irregularity of their form, by their extent and by their volume, to be rather a diseased affection peculiar to the tree than a natural property; but this is not the plate, and determines the formation of case. The manner of procuring this resinous substance consists in sounding the trees by means of a deep incision at their base, and going nearly as far in as the heart. If nothing but oil flows out the tree is immediately abandoned, because, as already stated, at the end of seven or eight years it yields camphor. As many as twenty or thirty trees, sometimes more, are thus mutilated before a tree containing the matter sought for is found. Every tree is supposed to contain camphor is cut down, then divided into pieces from one to two inches in length, then traversely cleft into two or four parts, to obtain the camphor. The amount yielded by a tree of middle size is from five to six kilogrammes. Most of the camphor which circulates in commerce comes to us from Japan or China. It is procured from the Laurus Camphora. It is obtained by cutting the wood into chips which is then submitted to the action of heat. The great therapeutic power of camphor, known by Raspail,

famous as a chemist, physician, and

political martyr, justifies us in giving it a high and honorable place among

hygienic agencies.

DOMESTIC.

USES OF STALE BREAD .- Make Dressing for Meat-Crumb it fine; turn hot broth over it; season, add butter, and a well-beaten egg, or more, according to quantity. Make Bread Pudding-Soak two hours in sweet milk, then beat eggs, sugar and spices, and bake. I sometimes add fruit. Make Bisquit-Soak over night in sour milk; mash fine with the hand; mix in your biscuit for breakfast, adding salt, lard and soda. They are better than without the stale bread. Make Pancakes or Gems-Soak over night in sour milk; add well-beaten eggs, flour, corn meal, the establishment, and the aim was to or Graham flour to make a batter; add first ascertain the volume of air eva- soda and salt, and bake on a griddle, or in gem-pans. Crumb fine and put them in the next omelet you make. Toast your bread. Set a pan of milk on the stove, but do not remove the cream from it; add butter and salt; dip the bread In this, and send to the table for supper or tea. Crumb fine, and put in your tomatoes when you are stewing them.

VERMIN of all kinds are very willing to move in with the first occupant of a new house; and rats and mice begin to build their new homes without asking leave. Carbolic powder or red pepper, better, and to use manures cooling in degrees Fah, per hour, when the tem- or both, put in with the first coat of mortar will do much toward keeping one hundred and fifty-eight and two these nulsances at a respectful dis ance. Cioths or paper rolled in powdered red pepper, and some filled with potash, will give a warmer salutation than they will find agreeable. If used plentifully The quantity of air thus introduced in any spot where these agents can be employed, and if, after a mistress is and two doors was found to be two established in a house, a suitable degree able that in a country like America, hundred and forty-six enbic meters per of watchfulness is maintained, we do where the services of the horse are in so hour. The fireplace drew from twelve not think there is danger of molestamuch demand, both for labor and for hundred to thirteen hundred cubic tion from these intruders. But the carpenters, bricklayers, and plumbers must be responsible for the first and important step-namely, combining these safeguards with the mortar and plaster.

ALMOND RICE PUDDING. - Wash twelve ounces of rice and put into a stew pan with little more than one quart of milk; eight ounces of sugar; tour ounces of butter; four ounces of little salt and boil very gently on the back of the range until the milk has become absorbed by the rice; remove from the ounces more of almonds and stew equally over the inside of a mold pre viously buttered; pour in the rice and

EGG OINTMENT.-The oil obtained from the yolks of eggs is credited with wonderful healing properties in ca-es of cuts, bruises and the like, by some of the Eastern nations. The eggs are first boiled hard, when the yolk is easily removed. Crushed and carefully stirred over a hot fire, the oil separates when it is ready for use. The eggs of water fowls have the most oil, but that obtained from the eggs of the common guinea hen is considered best.

COCKROACHES .- Patience and severance are required to get rid of this vermin, when it once takes up its abode in a bouse. Insect powder and borax are specific pel-ons to drive them away. Paris green, a deadly poison also to human beings, will kill them when sprinkled on their bodies.

ORANGE SALAD.-Peel one dozen in a glass dish, sprinkling each layer plentifully with sugar. Squeeze over this the juice of six oranges, and pour over all a glass of wine or brandy.

FLOORS should not be scrubbed too often, and never in damp weather, as and then be sure to choose a sunny day.

ALABASTER is best cleaned by putting has recently proposed a perpetual clock | Alabaster is best cleaned by putting based on the difference of atmospheric | it in a pan of water and letting it soak some hours until quite clean. Another heat of day causes a liquid to rise into mode is to cover it with a strong solu-

> FILLET OF SOLE .- Take a flounder or any other fish; fry a nice brown; butter well all the time it is on the fire; serve with slices of lemon and tomato

EVERY effect must have a cause; so Boils, Pimples, etc., are the result of poor blood. Purify the blood by using Dr. Bull's Blood Mixture and banish such eruptions as those named.

QUICKSILVER beaten up with the white of an egg, and applied with a feather to every crack and crevice of a bedstead, is the very best bug preventive.

#### It Wasn't the Clerk.

Cases of innocent clerks suspected and punished for the crime of an employer's son have made the foundation of many a moral stery. Unfortunately, there are real occurrences enough to found such stories upon. A recent one is related by a detective in the Dela-

ware County, (Pa.) American: John Tinsell, a jeweler of considerable taste and repute, finding that many of his articles of stock were gradually disappearing, with no sign of burglary. concluded that his clerk must be the came well recommended, and was, apparently, faithful and attentive to his duties. As he was the only one that the proprietor thought open to suspicion, and acting upon the plea that he could not afford to wait until positive evidence was obtained, he quietly dis-

missed him. The thefts still continuing, he sought my professional advice and assistance. The reward of twenty-five dollars was to be paid only upon the conviction of the offender. Looking around the and gathe, ing the little incide might be useful, also receive his son a mention of a few of prominent things taken, I Poor man, suppose your should be the offender.

years of age, his face cipient marks of a fast visit upon the subject eral remarks, I said taken them. He was dignant, and express "Would you kno

again ?" I asked. "Certainly," he replied, "Is this your watch?" pulling pretty gold one out of my pocket. Yes, it is."

"Is this your gold watch-chain?" "It is." "Well, your son pawned them."

The boy denied it. Upon the offer to go with him to the place of pawning and see if there was any mistake, he broke down and confessed all. The clerk came back to his old place.

HUMOROUS.

A SPECIMEN FOR THE BODY-SNATCHERS. -A boot-black, in turning into Woodward avenue from Congress street recently on a run, bumped against a woman, who at once grabbed for his would have galloping consumption in less than six weeks. He took it patiently for a time, but after having enough he quietly observed:

"I hope you won't never die, ma'am."
"Why?" she sullenly inquired. "Cause the body snatchers will dig you up, sure."

"Eh? What's that?" "The doctors of this town would have that jaw of yours if they had to fight the hull p'leece force!" he softly exclaimed as he backed away. She couldn't help feeling of her chin as she passed on.

NO DRAWBACK FOR HER, -- An Austin young lady, in a discussion of the marriage question, thus expressed herself: "Well, no, I don't know as I'd marry for money alone, but if a man had plenty of money, allied to a sweet disposition, and a moustache that curled at both ends, and nice blue eyes, and a respectable profession, and his father was rich, and his mother and sisters aristocratic, and he wanted to marry me and would promise to let me have my own way in everything, and to keep me liberally supplied with coin, and have a nice furnished house, with a big piano in it, and would give me two diamond rings, and pay my dry good's, milliner's and dressmaker's bills without grumbling, and I really and truthully loved him, I would not conside. his money any drawback to the match.'

A Young Man in Chicago was recently found dead in his bed, and the supposition was that he had committed suicide by poisoning; but upon analyzing the contents of his stomach nothing but the following were found in it: Pickles, pound cake, lemonade, cold turkey, beer, fried oysters, cold punch, ham sandwich, sponge cake, beef tea, mince pie, champagne, lobster, game pie, fruit cake, tea, chicken salad, whiskey, coffee, bologna sausage, port, cheese, sardines and sherry. The jury returned a ver-dict of "Died through the visitation of friends."

"MARTHA, does thee love me?" asked a Quaker youth of one at whose shrine his heart's holiest feelings had been offered up. "Why, Seth," answered she, "we are commanded to love one another; are we not?" "Ah, Martha, but does thee regard me with the feeling the world calls love?" "I hardly know what to tell thee, Seth. I have greatly feared that my heart is an erring one. I have tried to bestow my love on all: but I may have sometimes thought perhaps, that thee was getting rather more than thy share."

THE jokers who included a piece of stained brick among the "geological specimens" which they placed upon the desk of the professor as objects worthy of his explanatory remaras, received the following reward: Taking up one of the specimens, he said: "This is one of baryta from the Cheshire mines. This," holding up another, "is a piece of feldspar from the Portland quarries. And this," coming to the brick, "is a piece of impudence from some member of the class.'

A GIRL in Kentucky struck her croquet partner on the head with a oranges, and cut in slices; put in layers mallet, brain fever set in, and the young under arrest until his recovery, and when he got well, she married aim, and now she's sorry he didn't die.

Par had been engaged to kill a turtle for a neighbor, and proceeded immediately to cut off its head. Pat's attention they will not then properly dry, but ately to cut off its head. Pat's attention leave the room damp for a long time. was called to the fact that the turtle Once a week is often enough, as a rule, still crawled about, though it had been decaptitated, and he explained: "Sure the baste is entirely dead, only he is not conscious of it.'

> "AH!" SIGHED a hungry tramp, "I wish I was a hoss; blame if I don't. He's nearly always got a bit in his mouth, while I haven't had a bit in mine for two days."

In an exchange we find an article about a mother-in-law, and in beautiful harmony the next item is headed, "The Storm Elsewhere."

THERE are eighteen grain elevators in Chicago with an aggregate capacity of over 15,000,000 bushers, and of 250 scales n use in these elevators over 240 are Fairbanks'.

A MAN is obliged to die before his will amounts to anything, but that of a woman is always in force.

HAPPY is the man who can lie all day under a shade-tree looking for work. What is the greatest stand ever made

for civilization? The inkstand. PHONOGRAPH is feminine gender-Because it talks back.

The End of a Dog's Quarrel.

An English lady sends us the followng story :- "One day a Newfoundland dog and a mastiff had a sharp quarrel over a bone. They were fighting on a bridge, and over they went into the water. The banks were so high that they were forced to swim some distance before they came to a landing place. It was very easy for the Newfoundland; he was as much as home in the water as a seal. But not so for poor Bruce; he struggled and did his best to swim, but made little headway. The Newfoundland dog quickly reached the land, and | The most complete Newspaper Director, then turned to look at his He saw plainly the

e above ito port! It dogs look at shook their coats. e said as plainly as words, er quarrel again.'

est Tranquilizer of the Nerves, surest tranquilizer of the nerves is

edicine which remedies their supersensitive-ess by invigorating them. Over-tension of the nerves always weakens them. What they need then, is a tonic, not a sedative. The latter is only useful when there is intense mental excitement and mental excitement and an immediate necessity mental excitement and an immediate necessity exists for producing quietude of the brain. Hostetter's Stomach Bitters restores tranquility of the nerves by endowing them with the vigor requisite to bear, without teing jarred or disturced unhealthfully, the ordinary impressions produced through the media of sight, hearing and reflection. Nay, it does more than this—it enables them to sustain a degree of tension from mental application which they would be totally unable to endure with ut its a-sistance. Such at least is the which they would be totally unable to endure with ut its a-sistance. Such at least is the irresistible conclusion to be drawn from the testimony of business and professional men, lit-rateurs, clergymen and others who have tosted the fortifying and reparative influence of this celebrated topic and pervipe. of this celebrated tonic and nervine.

WHY will any one suffer with Headache, Keursigia. Nervousness or Dyspepsia when a tox or two of Dr. Benson's Celery and Cham-mile Pills will cure them for certain. 50 cts.

Office, 106 North Eutaw street, Baltinore, Md. Mrs. General sherman hair. Failing to secure a grip, she haited and gave him to understand that Bheumatic Remedy for friends suffering with if she had the bringing up of him he Rheumatism and in ceery instance it worked like magic. Sufferers with rheumatism make a note of this and send for circular to Helphsustine & Bentley, Druggists, Washington, D. C. Sold by all druggists.

WHOOFING COUGH rarely terminates fatally, but the constant coughing irritates and weakens the lungs to such an extent that more serious diseases find an easy means of attack. No better remedy exists for whooping cough than Schenck's Pulmonic Syrup. It is pleasant to the palate, and children do not have to be coaxed to take it. For sale by all Druggists.

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Nature gives us grandeur of mountains, glens
and oceans, and thousands of means for enjoyment. We can desire no better when in
perfect health; but how often do the majority

perfect health; but how often do the majority of people feel like giving it up discentened, discouraged and worried out with discase, when there is no occasion for this feeling, as every sufferer can easily obtain satisfactory proof that Green's August Flower will make them as free from discase as when born. Dyspepsia and Liver Complaint is the direct times of averaging the complaint is the direct times of averaging the complaint of the contractions of averaging the contraction of t couse of seventy-five per cent of such mala-dies as Bihousness, Indigestion, Sick Head-ache, Costiveness. Nervous Proetration, Dizzi-ness of the Head, Palpitation of the Heart, and other distressing symptoms. Three does of August Flower will prove its wonderful effect. Sample bottles, 10 cents. Try it.

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